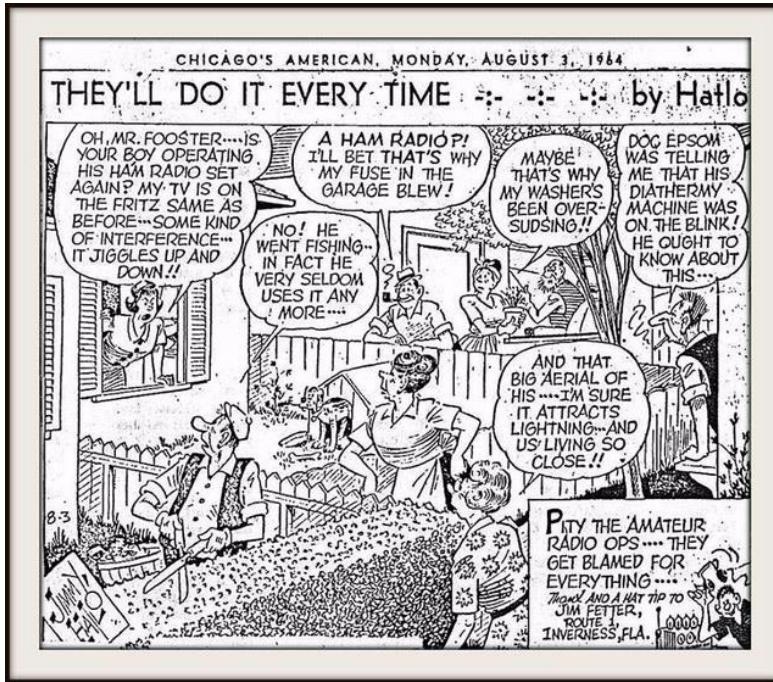


# HF Happenings 758

Volume 15, Issue 21, the week of 10 July 2017



## The second RaDAR challenge on 15 July

The second RaDAR Challenge of 2017 takes place on Saturday 15 July from 00:00 to 23:59 UTC. The RaDAR "Challenge" is a unique event aimed at promoting the use of Rapidly Deployable Amateur Radio stations. Categories may be changed at any time during the challenge. The points system is so structured as to encourage portable RaDAR operations especially moveable RaDAR stations. RaDAR operators are encouraged to be self-sufficient during each challenge, with not only power supply and communications equipment but food, water, protective clothing and shelter, not forgetting the first aid kit.

Each operator is to plan his or her maximum, single period, four-hour operation. He or she should consider propagation with the goal of inter-continental RaDAR to RaDAR communications in mind and a 10-point bonus! The RaDAR challenge requires more than a minimalistic information exchange. Accurate information exchange is considered more important than a large QSO count. The exchange is your call sign, your name, RS or RST report, QTH and grid locator. Log sheets must be submitted by 29 July and sent by e-mail to [edleighton@gmail.com](mailto:edleighton@gmail.com)

## The Winter QRP Contest next Saturday

The Winter QRP Contest runs from 12:00 to 15:00 UTC on Saturday 15 July 2017 with SSB and CW activity using 5 watts or less. The first hour is limited to the 40 m band only, the remaining two hours the contesters are free to use any HF (non-WARC) band as they see fit.

The exchange is a RS or RST report and your grid locator. Please consider exchanging realistic RS or RST signal reports and use the full 6-character grid locator. Logs, in ADIF, Cabrillo or MS Excel format and labelled "your call sign" QRP Contest, shall be submitted by 22 July 2017 by e-mail to [contest@sarl.org.za](mailto:contest@sarl.org.za)

Please consult the 2017 SARC Contest Manual for the rules of both contests.

You can now download your copy of HF Happenings from [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

## July

- 1 – SARC Newbie Sprint
- 2 – ZS5 Sprint
- 5 to 8 - Innibos Arts Festival, Nelspruit
- 7 to 16 Knysna Oyster Festival
- 8 and 9 - IARU HF Championships
- 14 - RAE Registration opens
- 14 to 16 - Ham Radio 2017, Friedrichshafen, Germany
- 15 – RaDAR Challenge and the SARC Winter QRP Contest
- 15 and 16 - Franschhoek Bastille Festival
- 18 to 22 - Vryfees Arts Festival, Bloemfontein
- 22 - CTARC 71st AGM
- 23 – ZS2 Sprint
- 24 - All schools open
- 25 - Closing date August Radio ZS
- 29 and 30 - RSGB IOTA Contest

## August

- 1 - Tish'a B'Av
- 5 to 12 – IARU Region 1 YOTA Summer Camp, Gilwell Park, UK
- 6 – SARC HF Phone Contest
- 9 – National Women's Day; SARC YL Sprint
- 11 to 13 - Klein Karoo Klassique, Oudsthoorn
- 19 and 20 - International Lighthouse and Lightship Weekend
- 20 – SARC HF Digital Contest
- 24 - Closing date for September Radio ZS
- 25 and 26 - Hantam Vleisfees, Calvinia
- 27 - SARC HF CW Contest
- 31 Aug to 3 Sept - Gariep Kunstfees, Kimberley

## Radio ZS Antenna Design Competition

You do not have to be an antenna expert to be a winner. Just send us your best design and we will evaluate it according to the competition rules. Even if your design does not earn a prize, it might still be eligible for publication in a future issue of Radio ZS. We can accept only one entry per person or team, so choose your category wisely. Don't wait too long, the deadline is 1 October 2017!

You can choose from three categories - 160 metres and lower, HF or VHF/UHF and higher. Entries must include drawings with dimensions, a list of materials required to build the antenna, the antenna must be made from easy to get items - available in your local hardware store, a description and summary of any measurements taken (including SWR data), photographs of the installed antenna, the entry category you have chosen for your design and your name, postal address, and e-mail address. Only one entry per individual or team will be accepted. Entrants must be SARL members.

Send your entry to: Radio ZS Antenna Design Competition, PO Box 12104, Brandhof, 9324 or by e-mail to [radiozs@sarl.org.za](mailto:radiozs@sarl.org.za). In the subject line, add your call sign and the words Antenna Design Competition. Get all the details in the July 2017 Radio ZS. The first entry has been received.

## Results of the ZS5 Sprint

The Highway Amateur Radio Club wishes all that took part; great thanks for making this year's Sprint a great success, even though band conditions were very trying. Twenty-two logs were received.

- 1<sup>st</sup> Deon Fraser, ZS5DCF - 133 points
- 2<sup>nd</sup> Justin Furner, ZS5KT - 113 points
- 3<sup>rd</sup> Gary Potgieter, ZS5NK - 96 points
- 4<sup>th</sup> Highway ARC, ZS5HAM – 94 points (operated by Max ZS5MAX)
- 5<sup>th</sup> Sig Tyler, ZS5H - 91 points
- 6<sup>th</sup> Zululand ARC, ZS5ZLB – 90 points (operated by Gerald)
- 7<sup>th</sup> Jan Botha, ZS4JAN - 86 points
- 8<sup>th</sup> Roy Walsh, ZS3RW - 69 points
- 9<sup>th</sup> Charles le Roux, ZS1CF - 68 points
- 10<sup>th</sup> Pieter Gaybba, ZS3PG - 67 points
- 11<sup>th</sup> Woody Collect, ZS3WL - 66 points
- 12<sup>th</sup> Craig Hardman, ZS5CD - 47 points
- 13<sup>th</sup> Alastair Skudder, ZU6AS - 43 points
- 14<sup>th</sup> Romeo Nardini, ZS6ARQ, and Heather Holland, ZS5YH - 42 points each
- 16<sup>th</sup> Michael Barnard, ZS4MJB - 32 points
- 17<sup>th</sup> Hibiscus Coast ARC, ZS5HAC – 26 points (operated by Jan)
- 18<sup>th</sup> Stephan van Jaarsveldt, ZS6SVJ - 25 points
- 19<sup>th</sup> Louis Koen, ZS5LS - 24 points
- 20<sup>th</sup> Nic van Duffelen, ZR6AEZ - 22 points
- 21<sup>st</sup> Phillip van Tonder, ZS6PVT - 10 points
- 22<sup>nd</sup> Johan van Zijl, ZS4DZ - 4 points

## Address change for the ZS2 Sprint

The ZS2 Sprint is next weekend, Sunday 23 July. The organisers have notified that the e-mail address in the 2017 SARL Contest Manual has stopped working! They have a new address for your log submission after the end of the Sprint next Sunday.

You must submit your log [thmjp200@gmail.com](mailto:thmjp200@gmail.com). The organizers apologize for any inconvenience caused. The rest of the contest detail stays the same.

## Award for tracking Polar Prince

Radio Amateurs of Canada has announced an award for radio amateurs and short-wave listeners that involves using HF radio to track the 150-day Canada C3 voyage of the Polar Prince from Toronto, Ontario, to Victoria, British Columbia, via the Northwest Passage.





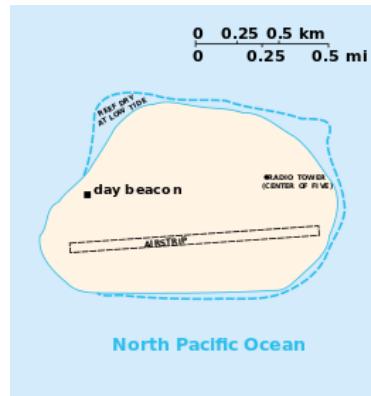
Part of Canada's 150<sup>th</sup> anniversary celebration, Canada C3 is aimed at raising awareness of Canada's coastline and inspiring a deeper understanding of Canada's land and peoples. The voyage of the Polar Prince will continue until around 28 October. The vessel is transmitting a WSPR signal on 40, 30 and 20 metres, using the call sign CG3EXP.

Full details of the award are at <http://wp.rac.ca/operating/rac-awards/canada-c3-expedition-award/>.

## Baker Island

The Dateline DX Association (most recently the K4M team) is very pleased to announce that it has been selected by the Pacific Islands Refuges and Monuments Office of the US Fish and Wildlife Service to pursue an Amateur Radio expedition to Baker Island National Wildlife Refuge (KH1). We will announce dates of activation and other pertinent information once a vessel has been selected and approval of said vessel and dates is approved by the Service." The co-leaders for the DXpedition are N1DG, N4XP and K6TD.

Baker Island is an uninhabited atoll located just north of the equator in the central Pacific Ocean about 3,090 km southwest of Honolulu. The island lies almost halfway between Hawaii and Australia. Its nearest neighbour is Howland Island, 68 km to the north-northwest; both have been territories of the United States since 1857, though the United Kingdom considered them part of the British Empire between 1897 and 1936. Located at N 0°11'41" W 176°28'46". The island covers 2,1 km<sup>2</sup> with 4,8 km of coastline.



Also read the following ARRL News Note [www.arrl.org/news/view/Group%20Selected%20to%20Pursue%20DXpedition%20to%20Baker%20Island%20National%20Wildlife%20Refuge](http://www.arrl.org/news/view/Group%20Selected%20to%20Pursue%20DXpedition%20to%20Baker%20Island%20National%20Wildlife%20Refuge)

## DXCC's Most Wanted (ClubLog)

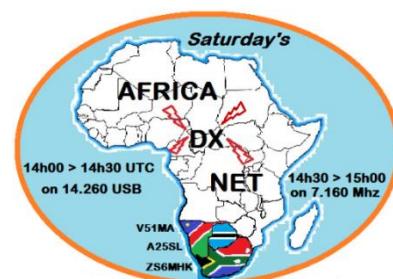
The "DXCC Most Wanted" entities list has been updated on ClubLog as of 1 July. The top 10 entities are:

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. KH1 Baker Howland Islands
5. BS7H Scarborough Reef
6. CEOX San Felix Islands
7. BV9P Pratas Island
8. KH3 Johnston Island
9. VK0M Macquarie Island
10. KH7K Kure Island

The complete "DXCC Most Wanted" entities list is available at <https://secure.clublog.org/mostwanted.php>

## African DX

Kenya, 5Z4. Nick, LZ4NM, will now be active 5Z4/LZ4NM from Kenya until 30 June 2018. Activity will be on 40 to 10 metres using CW, SSB and the digital modes. Currently, his equipment is an Icom IC-7000, inverted Vee (40 and 20 m) and a DunaX vertical (20 to 10 m). QSL direct to The Amateur Radio Society of Kenya (ARSK), Box 45681, Nairobi, 00100, Kenya.



Senegal, 6V. Franz, DC4CQ, will be active as 6V/DC4CQ from Senegal between 30 July and 11 August. He and his wife are doctors working in a hospital there. Activity will be limited to his spare time on 40 to 15 metres using SSB. QSL via his home call sign.

Algeria, 7V5. Members of the Algerian Radio Amateur Union (ARU) are now active as 7V5J until 30 July. Activity is to celebrate the Algerian National Day. Operations will be on all bands (depending on propagation). QSL via 7X2DD.

Botswana, A2. Neven, LZ1COM, will be active as A25NPD from Botswana between 14 and 16 July. Activity will be on 40 and 20 metres using SSB between 18:00 to 22:00 UTC. QSL via his home call sign.

Botswana, A2. Andre, NJ0F, will be active as A25A from Gaborone between 20 October and 5 November. Activity will include the CQ WW DX SSB Contest (28 and 29 October). No other information was provided. QSL via NJ0F. Added Note: He also plans to be in the CQ WW WPX SSB Contest in 2018.

## African Islands

### IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Sierra Leone, 9L (Cancelled). The Italian DXpedition Team (IDT), who announced that their next DXpedition will be in mid-March 2018 to Sherbro Island (AF-056) using the callsign 9L1T, has reported that the operation was cancelled. They state, "Time ago we received by email a copy of our 9L1T license. After repeated solicitations addressed to the Ministry of Telecommunications of Sierra Leone, to obtain the original, we have been informed that the license was revoked, no amateur radio license should be issued for security reason. We are deeply disappointed, but this matter is totally out of our control. As a result, the March 2018 DXpedition in Sierra Leone has been cancelled."

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 3 to 10 July 2017

Phone Fray: 02:30 UTC-03:00 UTC 12 July  
Geographic Focus: North America  
Participation: Worldwide  
Mode: SSB  
Bands: 160, 80, 40, 20, 15 m  
Classes: Single Op  
Max power: 100 watts  
Exchange: NA: Name and state, province or country; non-NA: Name  
Work stations: Once per band  
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 03:00 UTC 14 July 2017  
E-mail logs to: (none)  
Post log summary at: <http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: [http://www.per-luma.com/Phone\\_Fray\\_Contest\\_Rules.pdf](http://www.per-luma.com/Phone_Fray_Contest_Rules.pdf)

CWops Mini-CWT Test  
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 12 July  
and 03:00 - 04:00 UTC 13 July  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide

Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: Single Op - QRP, low or high  
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts  
Exchange: Member: Name and member no; non-Member: Name and state, province or country  
Work stations: Once per band  
QSO Points: 1 point per QSO  
Multipliers: Each call once  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 04:00 UTC 15 July 2017  
Post log summary at: <http://www.3830scores.com>  
Mail logs to: (none)  
Find rules at: <http://www.cwops.org/cwt.html>

RSGB 80 m Club Championship, SSB  
19:00 - 20:30 UTC 12 July  
Geographic Focus: United Kingdom  
Participation: Worldwide  
Awards: United Kingdom  
Mode: SSB  
Bands: 80 m Only  
Classes: (none)  
Exchange: RS and serial no  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: (see rules)  
Submit logs by: 23:59 UTC 13 July 2017

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at:

<http://www.rsgbcc.org/hf/rules/2017/r80mcc.shtml>

QRP Fox Hunt

01:00 - 02:30 UTC 14 July

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 20 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 15 July 2017

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: [http://www.grpfoxyhunt.org/summer\\_rules.htm](http://www.grpfoxyhunt.org/summer_rules.htm)

NCCC RTTY Sprint

01:45 - 02:15 UTC 14 July

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 16 July 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<http://www.nccsprint.com/rttyns.html>

NCCC Sprint

02:30 - 03:00 UTC 14 July

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 16 July 2017

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<http://www.nccsprint.com/rules.html>

Russian Radio Team Championship

07:00 UTC-14:59 UTC 15 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB

Bands: 40, 20, 15, 10 m

Classes: Single Op - CW, SSB or mixed - low or high; Multi-Op

Max power: HP: >100 watts; LP: 100 watts

Exchange: RRTC: RS(T) and 3-character code; Non-RRTC: RS(T) and ITU Zone no

Work stations: Once per band per mode

QSO Points: 1 point per QSO with same zone or with RRTC stations; 3 points per QSO with different zone on same continent; 5 points per QSO with different zone on different continent

Multipliers: Each ITU zone once per band; Each RRTC 3-character code once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 19:00 UTC 15 July 2017

E-mail logs to: (none)

Upload log at: [http://ua9qcq.com/en/submit\\_log.php?lang=en](http://ua9qcq.com/en/submit_log.php?lang=en)

Mail logs to: (none)

Find rules at: [http://news.srr.ru/?page\\_id=24747](http://news.srr.ru/?page_id=24747)

Trans-Tasman Low-Bands Challenge

08:00 - 14:00 UTC 15 July

Mode: CW, Phone, Digital

Bands: 160, 80, 40 m

Classes: Single Op - QRP, low or high; Multi-Single; Multi-Multi

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: RS(T) and serial no

Score Calculation: (see rules)

Submit logs by: 22 July 2017

E-mail logs to: none

Upload log at: <http://www.b4h.net/vkcc/transtasman/>

Mail logs to: (none)

Find rules at: <http://www.wia.org.au/members/contests/transtasman/>

DMC RTTY Contest

12:00 UTC 15 July to 12:00 UTC 16 July

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high; Single Op 12-Hr - QRP, low or high; Multi-Single; SWL

Max power: HP: >100 watts; LP: 100 watts; QRP: 10 watts  
 Exchange: RST and serial no  
 QSO Points: 1 point per QSO  
 Multipliers: Each prefix once  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 16 August 2017  
 E-mail logs to: [rtty2017@digital-modes-club.org](mailto:rtty2017@digital-modes-club.org)  
 Mail logs to: DMC Contest Committee, C/o Andreas Lukasczyk, Am Hochhaus 61, 04552 Borna, Germany  
 Find rules at: <http://digital-modes-club.org/index.php/en/dmc-rtty-contest>  
 Feld Hell Sprint  
 12:00 – 13:59 UTC 15 July  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: Feld Hell  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: (none)  
 Max power: Standard: 100 watts; QRP: 5 watts  
 Exchange: (see rules)  
 Work stations: Once per band  
 QSO Points: (see rules)  
 Bonus Points: (see rules)  
 Multipliers: (see rules)  
 Score Calculation: (see rules)  
 Submit logs by: 19 July 2017  
 Upload log at: <https://sites.google.com/site/feldhellclub/>  
 Mail logs to: (none)  
 Find rules at: <https://sites.google.com/site/feldhellclub/Home/contests/sprints/early-bird-sprint>

North American RTTY QSO Party  
 18:00 UTC 15 July to 05:59 UTC 16 July  
 Geographic Focus: North America  
 Participation: Worldwide  
 Awards: North America  
 Mode: RTTY  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: Single Op - QRP or low; Multi-Two - low  
 Max operating hours: Single Op: 10 hours; Multi-Two: 12 hours  
 Max power: LP: 100 watts; QRP: 5 watts  
 Exchange: NA: Name and state, DC, province or country; non-NA: Name  
 Work stations: Once per band  
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station  
 Multipliers: Each US state/DC (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band  
 Score Calculation: Total score = total QSO points x total mults

Submit logs by: 05:59 UTC 21 July 2017  
 Upload log at: <http://www.ncjweb.com/naqlog-submit/>  
 Mail logs to: Mark Aaker, K6UFO, 300 Berry St., Unit 1009, San Francisco, CA 94158-1668, USA  
 Find rules at: <http://www.ncjweb.com/NAQP-Rules.pdf>

RSGB Low Power Contest  
 09:00 - 12:00 UTC and 13:00 - 16:00 UTC 16 July  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 80, 40, 20 m  
 Classes: Single Op - fixed or portable 10 W; Single Op - fixed or portable 3 W; Multi-Op - fixed or portable 10 W; Multi-Op - fixed or portable 3 W  
 Exchange: RST, serial no and power  
 QSO Points: 15 points per QSO with QRP portable/mobile station; 10 points per QSO with QRP fixed station; 5 points per QSO with non-QRP station  
 Multipliers: (none)  
 Score Calculation: Total score = total QSO points  
 Submit logs by: 23:59 UTC 17 July 2017  
 Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>  
 Mail logs to: (none)  
 Find rules at: <http://www.rsgbcc.org/hf/rules/2017/rqrp.shtml>

Run for the Bacon QRP Contest  
 01:00 - 03:00 UTC 17 July  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Band; All Band  
 Max power: 5 watts  
 Exchange: RST, state, province or country and member no or power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent  
 Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23 July 2017  
 E-mail logs to: (none)  
 Upload log at: <http://qrpcontest.com/pigrun/autolog.php>  
 Mail logs to: (none)  
 Find rules at: <http://qrpcontest.com/pigrun/>

## Next Week's Contests

Phone Fray, 02:30 - 03:00 UTC 19 July

CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 19 July and 03:00 - 04:00 UTC 20 July

NAQCC CW Sprint, 00:30 - 02:30 UTC 20 July

QRP Fox Hunt, 01:00 - 02:30 UTC 21 July

NCCC RTTY Sprint, 01:45 - 02:15 UTC 21 July

NCCC Sprint, 02:30 - 03:00 UTC 21 July

Scottish DX Contest, 12:00 UTC 22 July to 11:59 UTC 23 July

SA Sprint Contest, 20:00 - 24:00 UTC 22 July

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter*